

Claim Amendments

Claims 1-18 (canceled).

Claim 19. (currently amended)

Portable apparatus for personal water purification, comprising:

- a) a water treatment chamber having water input/output means;
- b) a flexible sealed microdischarge array filled with UV-emissive gas

at a pressure in the range 1-2 atmospheres, ~~to emit in the range 250-260 nm,~~
 mounted in said treatment chamber in effective radiation proximity to such water
 in said treatment chamber;

- c) power means connected to said microdischarge array effective to
 cause emission of ultraviolet radiation for water purification; and

- d) means mounting said flexible microdischarge array inside said
 water treatment chamber to restrict water flow channels to effective purifying
 range of such emission.

Claim 20. (canceled)

Portable apparatus for personal water purification, according to Claim 19,
further characterized in that the selected emissive gas is XeI.

Claim 21. (canceled)

Portable apparatus for personal water purification, according to Claim 20,
wherein the configuration is in-line, sequenced as input, spacer, filter, said
flexible microdischarge array with separation assurance means spiral-wound
inside said water treatment chamber, spacer and output.

Claim 22. (currently amended)

Portable apparatus for personal water purification, according to Claim 19
20, wherein the configuration is in-line pipe extender, sequenced as input,
spacer, filter, said flexible microdischarge array (30) with separation assurance
means spiral-wound inside said water treatment chambersaid flexible
microdischarge array is configured as a spiral wound rectangular scroll (30),
arranged loosely for in-line water flow between wrapped layers held at nominal
separation for water flow by separation assurance means , spacer and output .

Claim 23. (currently amended)

Portable apparatus for personal water purification, according to Claim 19
20, wherein the configuration is as a large canteen, having indicating means,
interior access means, filter, and lightweight outer walls at least partially
supported from collapse by said emissive gas is Xel sealed in said
microdischarge array, ~~and interior access means~~.

Claim 24. (previously presented)

A system for treating a fluid comprising:

a treatment chamber coupled to a fluid outlet, and

at least one micro-discharge gas discharge light source wherein the
light source is configured to expose a fluid passing through the treatment
chamber to radiation.